The anomalous bamboo-like grass tribe Phareae Stapf (Poaceae) has long been known to include two genera, Pharus P. Browne ( 7 species) in the Neotropics and Leptaspis $R$. Br. in the Paleotropics. During the course of a biosystematic study of the tribe (a revision of Pharus has been completed and is being prepared for publication), examination of abundant material of the Old World genus on loan from major herbaria (AAU, BOGOR, BM, BR, BRI, GH, L, LE, M, NY, PNH, TAI, U, US, Z) soon showed that Leptaspis, despite its small size (5 species), should be split into two quite distinct and well-differentiated genera. The following new taxon is therefore proposed:

SCROTOCHLOA Judziewicz gen. nov.
(Poaceae: Bambusoideae (?): Phareae)
Gramen perenne monoecium sylvarum umbrosarum. Culmi cavi vel solidi, herbacei, erecti vel decumbentes. Folia pseudopetiolis prominentibus, laminis inversis, et venis lateralibus oblique divergentibus. Inflorescentia panicula umbelliformis nodo principali 1, ramis primariis 4-8, sub nodo principali disarticulans. Spiculae l-florae, unisexuales, dimorphae, sine lodiculis. Spicula $q$ pedicello clavato, grandis, solitaria vel spicula o pedicellata concomitata; glumae 2, ovatae, caducae, 5-ad 7nervatae, spadiceae, apicis acutis; lemma urceolatascrotiforme, marginibus connatis et poro terminali, indurescens, inflatum, dense uncinato-pubescens; palea linearis, 2-nervata; staminodia 6; stigmata 3, subplumosa. Spicula ${ }^{\text {® }}$ pedicello longo, parva, membranacea; glumae $2 ; \mathrm{flosculus} \mathrm{caducus;} \mathrm{stamina} 6$.

Perennial monoecious grasses of shaded forest understories; culms hollow (or apparently solid in $\underline{S}$. tararaensis), herbaceous, erect or in age becoming decumbent and rooting at the nodes; leaves with open sheaths; ligule membranous, minute; pseudopetioles
prominent, twisted $180^{\circ}$ at summit, inverting the blades; leaf blades narrow to broad, the lateral veins diverging obliquely from the midrib; minute longitudinal striations (intercostal bands) present between adjacent pairs of adaxial secondary lateral veins; inflorescence long-pedunculate, an umbelliform panicle with 1 principal node and 4-8 primary branches, the entire structure disarticulating just below the principal node; spikelets 1 -flowered, unisexual, dimorphic, apparently lacking lodicules; pistillate spikelets borne on clavate pedicels, relatively large, solitary or more frequently accompanied by a pedicelled staminate spikelet; glumes 2, ovate, about as long as the lemma, caducous, 5-7-nerved, purplishbrown, their apices acute; lemma urceolate-scrotiform, with connate margins and a terminal pore through which the style exits, indurated, inflated, inconspicuously ribbed, densely uncinate-pubescent; palea linear, 2nerved; staminodes 6, minute; stigmas 3, subplumose; staminate spikelets borne on long pedicels, much smaller than the pistillate spikelets, lanceolate; glumes 2, nearly as long as the floret; floret caducous; stamens 6; chromosome number unreported.

Type species: Scrotochloa urceolata (Roxburgh) Judziewicz comb. nov. (Basionym: Pharus urceolatus Roxb., Hort. Beng. [104]: F1. Ind., ed. 2, 3: 611. 1832). Other known species: Scrotochloa tararaensis (P. Jansen) Judziewicz comb. nov. (Basionym: Leptaspis tararaensis Jansen, Reinwardtia 2: 304. 1953).

Scrotochloa is easily distinguished from all other grasses by its combination of inverted, obliquelyveined leaf blades and a detachable umbelliform panicle bearing densely uncinately hairy, pouch- or urn-shaped pistillate spikelets; the genus name was suggested by the latter feature. S. urceolata, with $3-7 \mathrm{~cm}$ wide glabrous leaf blades añ $\overline{6-9 \mathrm{~mm} \text { long }}$ pistillate spikelets, is widespread from Ceylon and Southeast Asia to New Guinea and the Solomon Islands; there is an excellent color photograph of this species on page 46 of Ayensu (1980). S. tararaensis, a rare endemic of western Papua, New Guinea, has leaf blades $1-1.5 \mathrm{~cm}$ wide and pistillate spikelets $4-5 \mathrm{~mm}$ long.

Leptaspis sensu stricto differs most obviously from the new genus in having cochleate pistillate lemmas and many-noded panicles in which the branches do not disarticulate from the rachis. It contains three species: L. angustifolia Summerhayes \& Hubbard, endemic
$\frac{\text { Scrotochloa }}{\text { Hollow to solid }}$
Prominent

## COMPARISON OF THE GENERA OF THE PHAREAE

$\frac{\text { Pharus }}{\text { Solid }}$
Absent
prominent
Present but
inconspicuous
$\frac{\text { Leptaspis }}{\text { Solid }}$
$(2-) 3-7$
$1-3$
No

1 (3 in one sp.)

## (1-) 3-8 <br> (1-)

(3 in
Yes Between main
 the rachis the rachis Yes

Ranging from
about 0.5: 1
to about $1: 1$
Ranging from
about $0.5: 1$
to about $1: 1$
Yes
Below the single
principal node

Below the single
principal node
No
Ca $5-10 \mathrm{~mm}$
Clavate
Scrotoch1oa
Absent
Caducous
$5-7$
Acute
Urceolate-
scrotiform
Terminally
Fused
Subplumose
5-10 mm
Caducous
Absent
Paleotropical
(Ceylon to the
Solomon Is lands)
Leptaspis
Often present
2 or often 3
Persistent
$1-3$
Cuspidate
Cochleate
Laterally
Fused
Subplumose
1-5 mm
Caducous
Well-developed
in at least one
species
Paleotropical
(Africa to Fiji
Islands)

TABLE 1 Pharus


Absent
3)

$$
\begin{aligned}
& \text { Persistent } \\
& 3-7(-11)
\end{aligned}
$$

Acute
Linear to sigmoid

Terminally
Free (fused in one species) Hispid Ca 10 mm Persistent Well-developed in one species only

Neotropical
22. Staminate lodicule

Range
Bract subtending spikelet branchlet Number of pistillate glumes Condition of pistillate gals. Number of nerves, pistillate glumes
 Shape of pistillate where does the from the pistillate lemma? Margins of pistillate lemma Length of staminate pedicel
Condition of staminate
floret
22. Staminate
11.
12.
13.
14.
15.
16.
17.
18.
19.
20.
21.
19. Stigmas
20. Length of staminate pedicel
21. Condition of staminateof
to the Fiji Islands; L. banksii $R$. Br., ranging from Indonesia and Taiwan south and east to Queensland (Australia) and New Caledonia; and L. cochleata Thwaites, widespread from western Africa to New Guinca. T.R. Soderstrom (pers. comm.) has found that an older specific epithet applies to the last taxon, and its nomenclature will be discussed in his forthcoming treatment of the genus in the "Grasses of Ceylon."

The three genera of the Phareae are compared in Table 1. Although relationships among them are far from clear, it appears that Leptaspis $s$. s. retains more unspecialized characters (especially the ulating panicle branches, the frequent presence of three pistillate glumes, and the frequent presence of a bract subtending the spikelet pair branchlet) than either Pharus or Scrotochloa. Considering its solid culms, the occasional presence of a third glume, and the persistence of the glumes in both sexes, Pharus may be more closely related to Leptaspis s.s. than it is to Scrotochloa. Anatomical research is in progress which has as its goal the elucidation of the intergeneric and intra-familial relationships of the Phareae. A taxonomic revision of Leptaspis and Scrotochloa is also under way.

## ACKNOWLEDGMENTS

I am grateful for the very generous help that Thomas R. Soderstrom and Hugh H. Iltis have given me in my ongoing studies of the Pharoid grasses. Duane A. Kolterman kindly helped to prepare the Latin diagnosis. The E.K. and O.N. Allen and J.J. Davis Funds of the University of Wisconsin and the J. Harris Seed Company of Rochester, New York provided financial support for this research.

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Figure 1. Herbarium specimen of SCROTOCHLOA URCEOLATA from Sumatra (Jacobs 8275, A).


